

Resource Summary Report

Generated by [dkNET](#) on Sep 6, 2026

DGRP-101

RRID:BDSC_28138

Type: Organism

Proper Citation

RRID:BDSC_28138

Organism Information

URL: <https://n2t.net/bdsc:28138>

Proper Citation: RRID:BDSC_28138

Description: Drosophila melanogaster with name DGRP-101 from BDSC.

Species: Drosophila melanogaster

Notes: Drosophila Genetic Reference Panel strain - sequenced isogenic reference wild type strain (aka 'Raleigh' or 'Mackay' line). Donor: Trudy Mackay, North Carolina State University

Genomic Alteration: Chromosome wt

Catalog Number: 28138

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_28138, BDSC:28138, BL28138

Organism Name: DGRP-101

Record Creation Time: 20240911T222452+0000

Record Last Update: 20260905T140227+0000

Ratings and Alerts

No rating or validation information has been found for DGRP-101.

No alerts have been found for DGRP-101.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at [dkNET](#) .

Okuyama T, et al. (2026) Genetic heterogeneity alleviates behavioral trade-off between exploration and vigilance in *Drosophila*. *iScience*, 29(6), 116171.

Marconcini M, et al. (2026) Genome-wide association studies identify new candidate genes and tissues underlying resistance to a natural toxin in drosophilids. *G3 (Bethesda, Md.)*, 16(4).

Sato DX, et al. (2025) Multifaceted and extensive behavioral trajectories of genomically diverse *Drosophila* lines. *Scientific data*, 12(1), 400.

Yamamoto A, et al. (2024) The genetic basis of variation in *Drosophila melanogaster* mating behavior. *iScience*, 27(5), 109837.

Chechenova M, et al. (2024) Muscle degeneration in aging *Drosophila* flies: the role of mechanical stress. *Skeletal muscle*, 14(1), 20.

Tang C, et al. (2022) Genetic dissection of innate immune memory in *Drosophila melanogaster*. *Frontiers in immunology*, 13, 857707.

Spierer AN, et al. (2021) Natural variation in the regulation of neurodevelopmental genes modifies flight performance in *Drosophila*. *PLoS genetics*, 17(3), e1008887.

Litovchenko M, et al. (2021) Extensive tissue-specific expression variation and novel regulators underlying circadian behavior. *Science advances*, 7(5).

Everett LJ, et al. (2020) Gene expression networks in the *Drosophila* Genetic Reference Panel. *Genome research*, 30(3), 485.

Bravo Gonzalez-Blas C, et al. (2020) Identification of genomic enhancers through spatial integration of single-cell transcriptomics and epigenomics. *Molecular systems biology*, 16(5), e9438.

Hunt LC, et al. (2019) Circadian gene variants and the skeletal muscle circadian clock contribute to the evolutionary divergence in longevity across *Drosophila* populations. *Genome research*, 29(8), 1262.